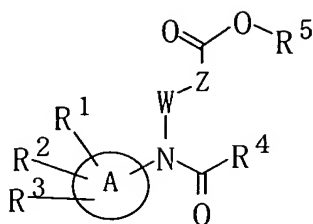


Claims

1. A carboxylic acid derivative represented by formula:



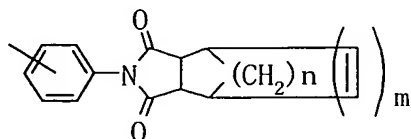
wherein ring A represents a benzene ring, a naphthalene ring or a hetero ring containing 1 to 4 hetero atoms arbitrarily selected from among a nitrogen atom, an oxygen atom and a sulfur atom,

W represents a C₁₋₅ alkylene group,

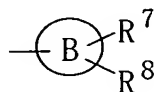
Z represents a single bond or a phenylene group,

R¹ and R² are the same or different and each represents a hydrogen atom, a halogen atom, a C₁₋₅ alkyl group or a C₁₋₁₀ alkoxy group,

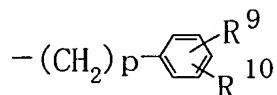
R³ represents a hydrogen atom, a halogen atom, a C₁₋₁₂ alkyl group, a C₂₋₅ alkynyl group, a trifluoromethyl group, an acetylenyl group, a cyano group, a nitro group, a group represented by -CH₂-R⁶ [wherein R⁶ represents a C₁₋₅ alkylthio group, a group represented by formula:



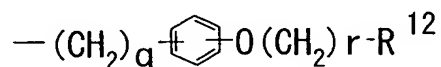
(wherein m represents 0 or 1, and n represents an integer of from 0 to 3)], a group represented by formula:



[wherein ring B represents a monocyclic hetero ring containing 1 to 3 hetero atoms arbitrarily selected from among a nitrogen atom, an oxygen atom and a sulfur atom, or a benzene ring, R^7 represents a hydrogen atom or a C_{1-5} alkyl group, R^8 represents a hydrogen atom or a C_{1-5} alkyl group or a group represented by formula:



(wherein R^9 and R^{10} are the same or different and each represents a hydrogen atom, a halogen atom, a C_{1-5} alkyl group or a C_{1-5} alkoxy group, and p represents an integer of from 0 to 8)], or a group represented by ---Y-R^{11} (wherein Y represents a group represented by ---CO--- , ---O--- , ---S--- or $\text{---SO}_2\text{---}$, and R^{11} represents a C_{1-10} alkyl group, a methyl group substituted by 1 to 3 fluorine atoms, a phenyl group, a phenyl group substituted by a C_{1-5} alkyl group, a phenyl group substituted by a C_{1-5} alkoxy group, a C_{2-8} dialkylamino group or a cyclic amino group)], R^4 represents a group represented by formula:



(wherein R^{12} represents a hydrogen atom or a phenyloxy group

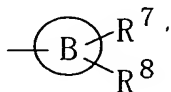
substituted by a C₁₋₅ alkoxy group, q represents an integer of from 1 to 5, and r represents an integer of from 10 to 24), and
R⁵ represents a hydrogen atom or a C₁₋₅ alkyl group, or a pharmaceutically acceptable salt of the derivative.

2. The carboxylic acid derivative or the pharmaceutically acceptable salt of the derivative according to Claim 1, wherein the ring A is a benzene ring, a naphthalene ring, a thiophene ring, a thiazole ring, an isoxazole ring, a benzothiazole ring, a phthalimide ring, a coumarin ring or a dibenzofuran ring, and the ring B is a benzene ring, an oxazole ring or an oxadiazole ring.

3. The carboxylic acid derivative or the pharmaceutically acceptable salt of the derivative according to Claim 2, wherein m is 1, n is an integer of from 1 to 3 and; when Y represents -CO-, -O- or -S-, R¹¹ is a C₁₋₁₀ alkyl group, a methyl group substituted by 1 to 3 fluorine atoms, a phenyl group, a phenyl group substituted by a C₁₋₅ alkyl group, or a phenyl group substituted by a C₁₋₅ alkoxy group and; when Y represents -SO₂-, R¹¹ represents a C₂₋₈ dialkylamino group or a cyclic amino group.

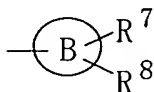
4. The carboxylic acid derivative or the pharmaceutically acceptable salt of the derivative according to Claim 3, wherein

the ring A is a benzene ring, and R¹ and R² are the same or different and each represents a hydrogen atom or a C₁₋₅ alkyl group, R³ is a group represented by formula:



or a group represented by -Y-R¹¹, the ring B is an oxazole ring or an oxadiazole ring, Y is -CO- or O-, and R¹¹ is a phenyl group, a phenyl group substituted by a C₁₋₅ alkyl group or a phenyl group substituted by a C₁₋₅ alkoxy group.

5. The carboxylic acid derivative or the pharmaceutically acceptable salt of the derivative according to Claim 4, wherein R³ is a group represented by formula:



and the ring B is an oxazole ring or an oxadiazole ring.